

CLAIMS

[1] A method for manufacturing a card comprising:

a step of inserting a transfer sheet (4) constituted by a base material sheet (4a) on which an ink receiving layer (2) is formed into a cavity (7) of a metal mold (5) in a state
5 where a surface of said ink receiving layer (2) faces a mold gate (6) of said metal mold (5);

a step of molding a card base (1) by injecting an injection-molding resin (10) into said cavity (7) in a state where said transfer sheet (4) is disposed in said cavity (7), and at the same time joining said ink receiving layer (2) to said card base (1);

10 a step of taking out said card base (1) joined by said ink receiving layer (2) from said cavity (7); and

a step of peeling said base material sheet (4a) from said transfer sheet (4) in a manner that said ink receiving layer (2) is left on said card base (1).

[2] The method for manufacturing a card according to claim 1, wherein said ink
15 receiving layer (2) is formed of a heat-curable hydrophilic resin.

[3] The method for manufacturing a card according to claim 1, characterized in that an anchor layer (8) for enhancing airtightness of said ink receiving layer (2) to said card base (1) is pre-formed on said ink receiving layer (2).

[4] The method for manufacturing a card according to claim 1, wherein after said
20 card base (1) is taken out from said cavity (7), printing is applied to said ink receiving layer (2).

[5] The method for manufacturing a card according to claim 4, wherein said printing is executed by an ink-jet printer (21).

[6] The method for manufacturing a card according to claim 4, comprising a step
25 of covering the surface of said ink receiving layer (2) with a cover layer (9) after printing is applied to said ink receiving layer (2).

[7] A card manufacturing device comprising:

a transfer sheet supply section (53) which carries a transfer sheet (4) constituted by a base material sheet (4a) on which an ink receiving layer (2) is formed; and

a molding section (55) which has a cavity (7) into which said ink receiving layer (2) is inserted toward its bottom surface via said base material sheet (4a) and a mold gate (6) from which an injection-molding resin (10) is injected into said cavity (7), and which molds a card base (1) on said ink receiving layer (2) of said transfer sheet (4) carried from said transfer sheet supply section (53), whereby a card formed of said card base (1) integrated with said ink receiving layer (2) is manufactured.

[8] The card manufacturing device according to claim 7, comprising a peeling section (40) which peels said base material sheet (4a) from said ink receiving layer (2) integrated with said card base (1).

[9] The card manufacturing device according to claim 7, wherein an anchor layer (8) is pre-formed on said ink receiving layer (2).

[10] The card manufacturing device according to claim 7, further comprising a printer (61) which applies printing on a surface of said ink receiving layer (2) from which said base material sheet (4a) has been peeled.

[11] The card manufacturing device according to claim 10, wherein said printer (61) is an ink-jet printer (21), and ink (3) ejected from said ink-jet printer (21) is aqueous ink.

[12] The card manufacturing device according to claim 10, further comprising a laminating device (63) which covers the surface of said ink receiving layer (2) on which printing has been applied with a cover layer (9).